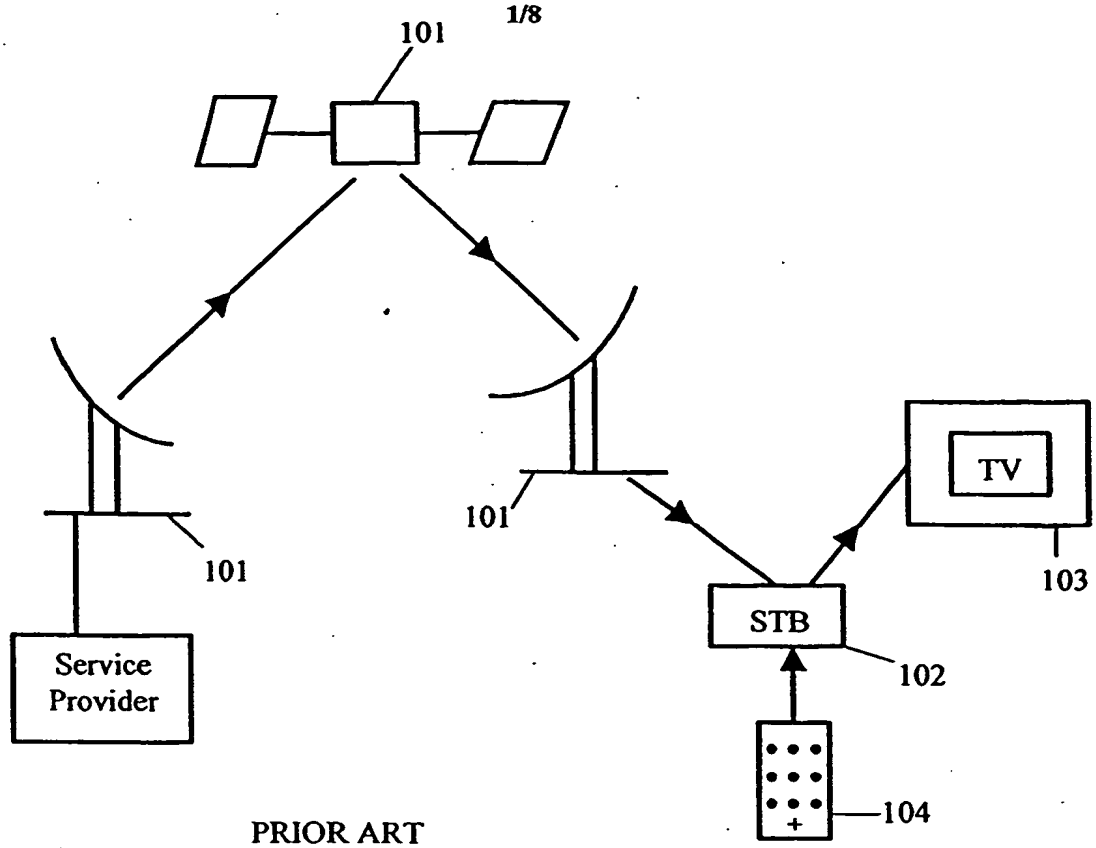
101
101
101
TV
103
STB
102
Service Provider
104
PRIOR ART

FIG. 1

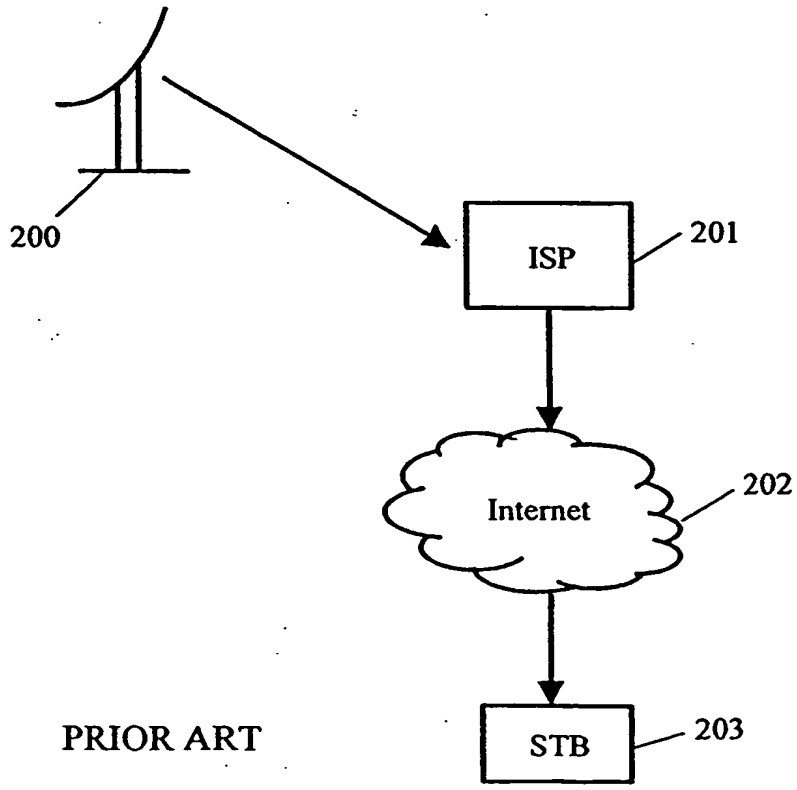
200
ISP
201
Internet
202
STB
203
PRIOR ART

FIG. 2

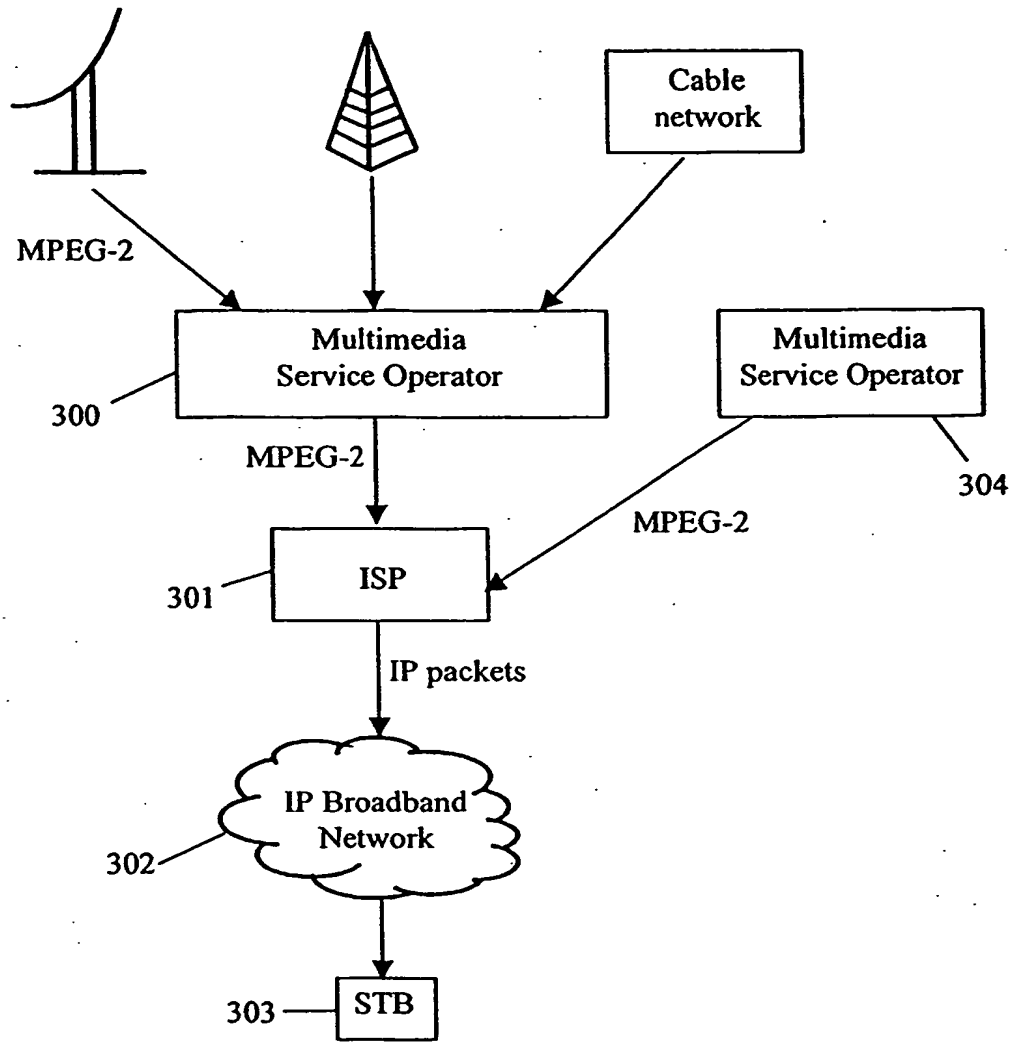
Cable network
MPEG-2
Multimedia Service Operator
300
Multimedia Service Operator
304
MPEG-2
MPEG-2
ISP
301
IP packets
IP Broadband Network
302
STB
303

FIG. 3

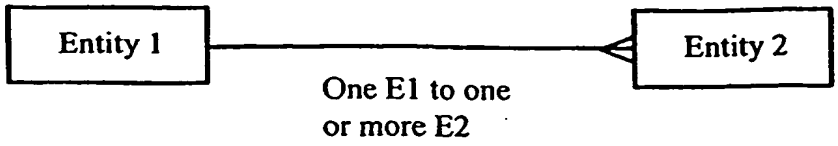

Fig. 4A

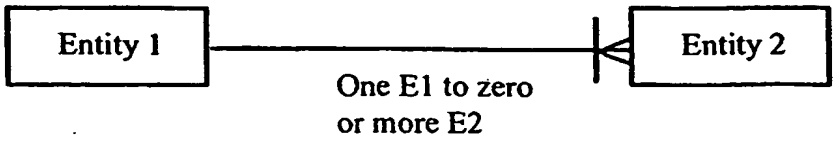

Fig. 4B

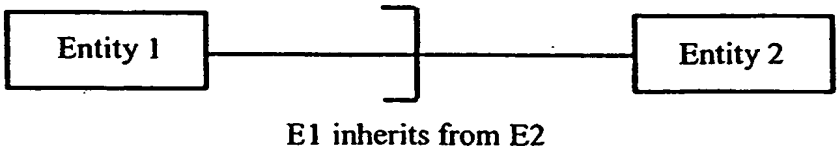

Fig. 4C

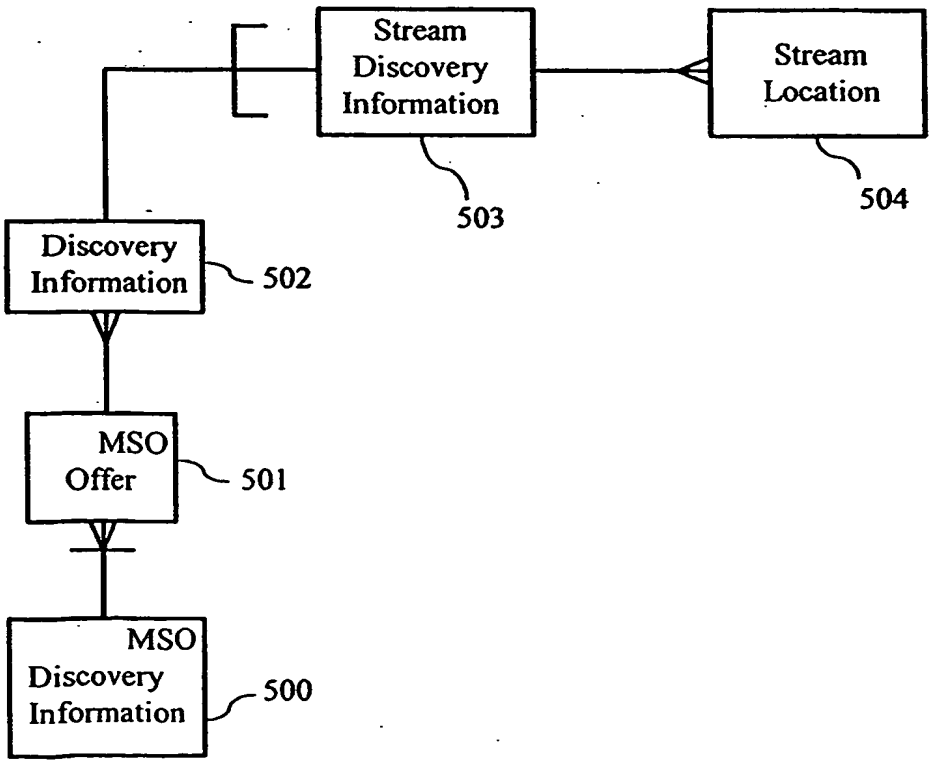

FIG. 5

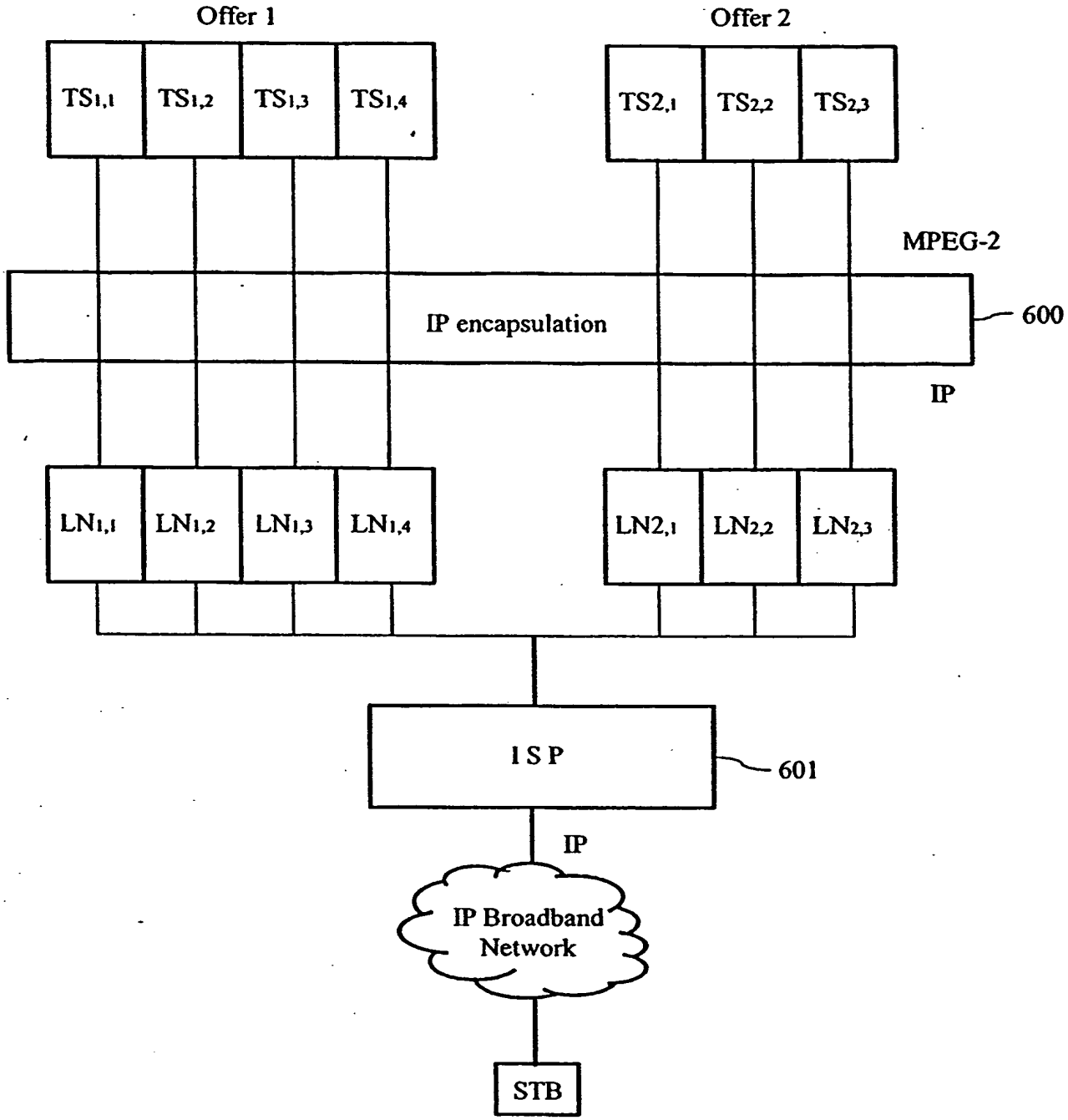
Offer 1
Offer 2
TS1,1
TS1,2
TS1,3
TS1,4
TS2,1
TS2,2
TS2,3
MPEG-2
IP encapsulation
600
IP
LN1,1
LN1,2
LN1,3
LN1,4
LN2,1
LN2,2
LN2,3
I S P
601
IP
IP Broadband Network
STB

FIG. 6

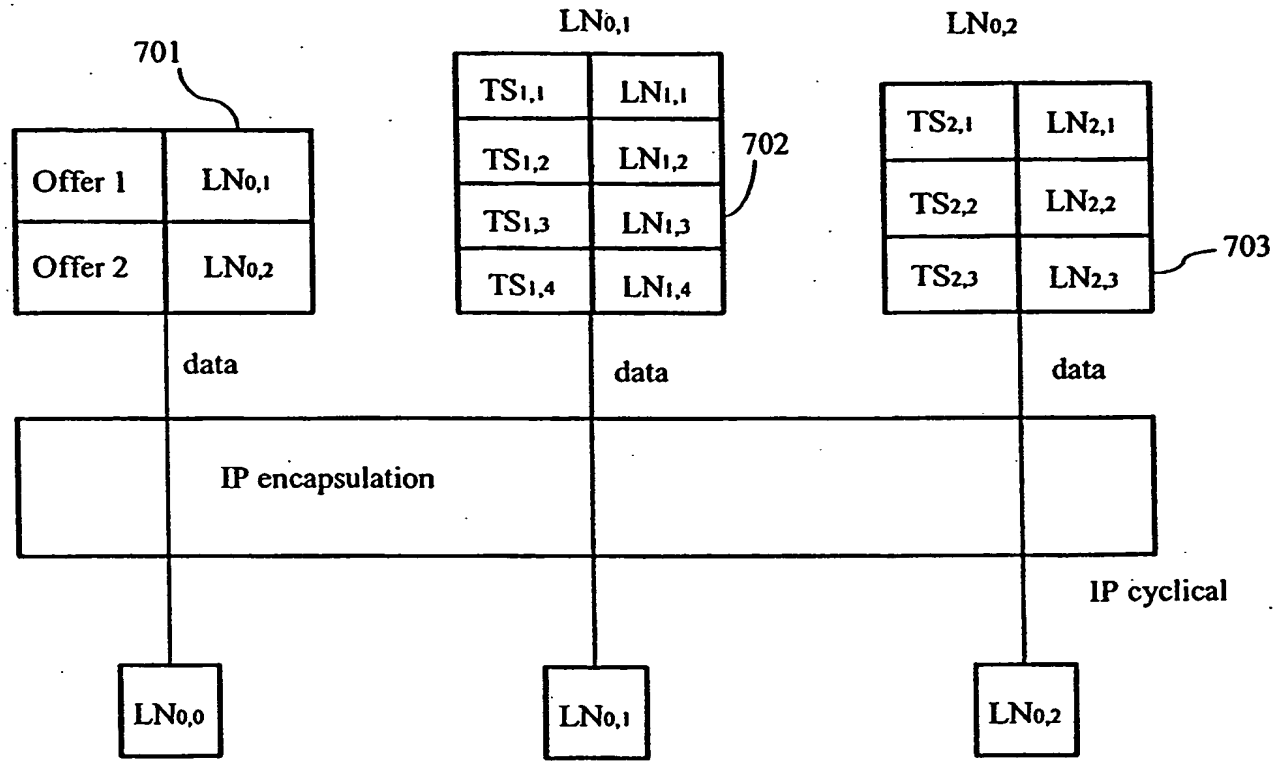
701
LN0,1
LN0,2
Offer 1
LN0,1
Offer 2
LN0,2
TS1,1
LN1,1
TS1,2
LN1,2
TS1,3
LN1,3
TS1,4
LN1,4
702
TS2,1
LN2,1
TS2,2
LN2,2
TS2,3
LN2,3
703
data
data
data
IP encapsulation
IP cyclical
LN0,0
LN0,1
LN0,2

FIG. 7

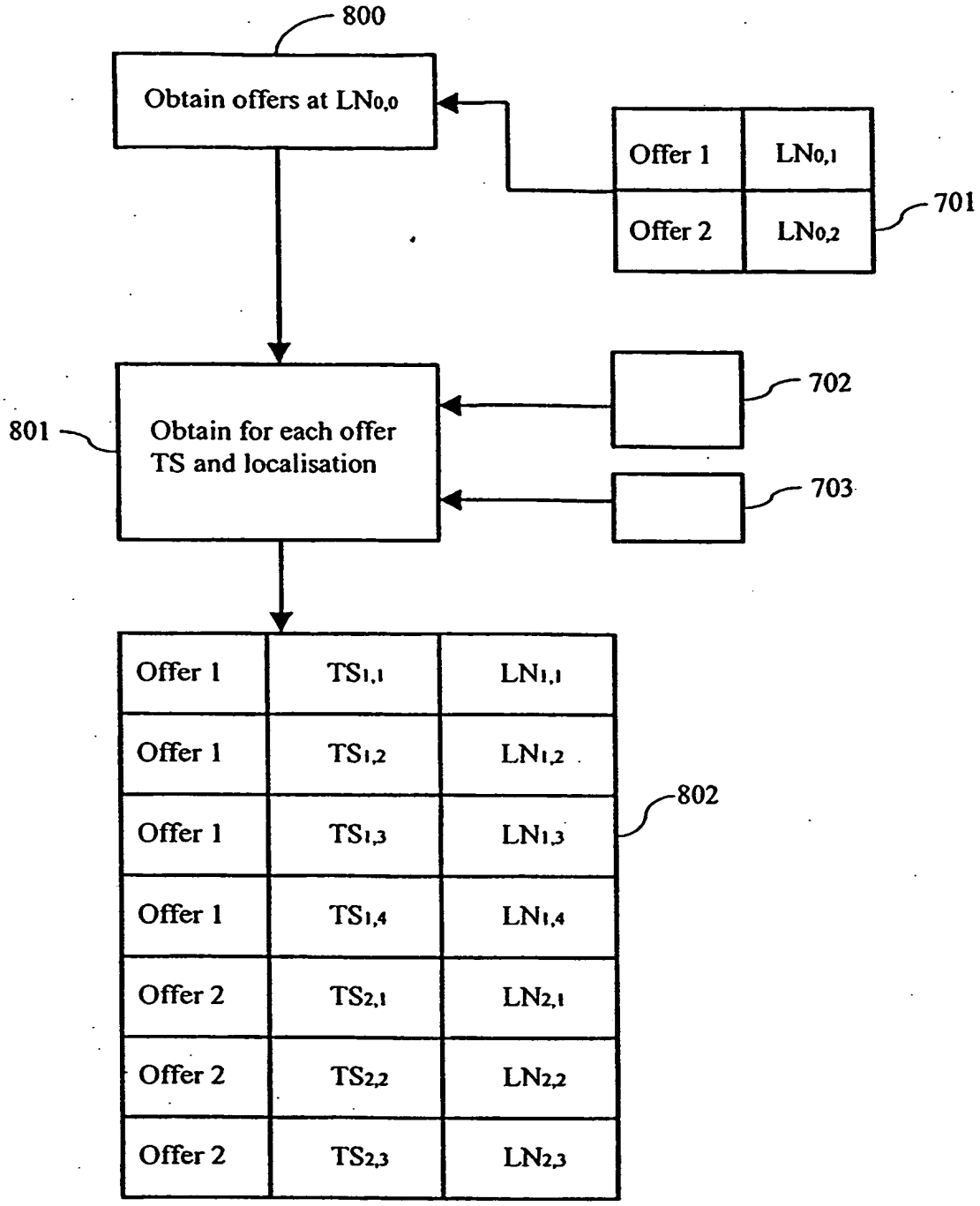
800
Obtain offers at LN0,0
Offer 1
LN0,1
Offer 2
LN0,2
701
801
Obtain for each offer TS and localisation
702
703
Offer 1
TS1,1
LN1,1
Offer 1
TS1,2
LN1,2
Offer 1
TS1,3
LN1,3
Offer 1
TS1,4
LN1,4
Offer 2
TS2,1
LN2,1
Offer 2
TS2,2
LN2,2
Offer 2
TS2,3
LN2,3
802

FIG. 8

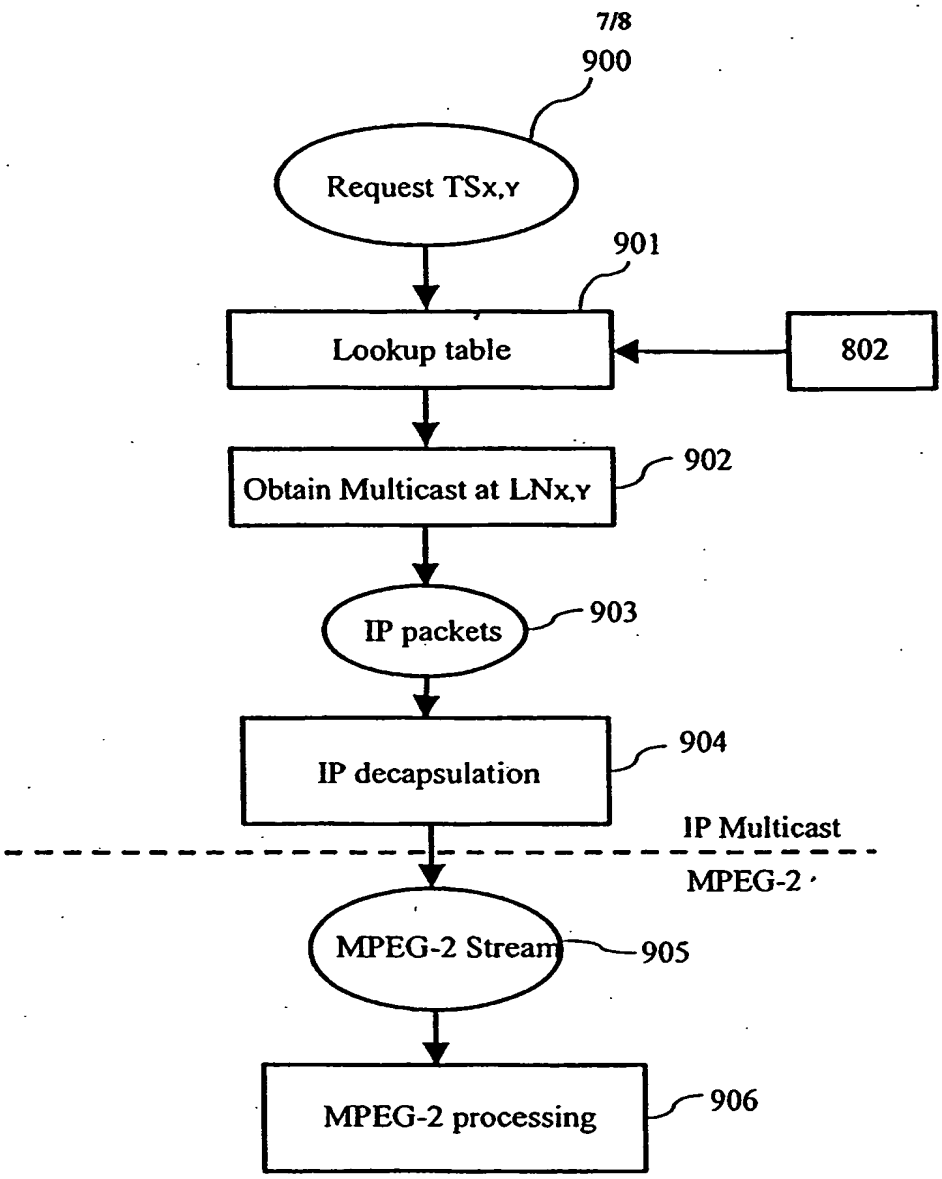
900
Request TSx,y
901
Lookup table
802
Obtain Multicast at LNx,y
902
IP packets
903
IP decapsulation
904
IP Multicast
MPEG-2
MPEG-2 Stream
905
MPEG-2 processing
906

FIG. 9

Stream Discovery Information	
Transport Stream(s)	Description
Original network Id	Gives the network Id of the originating delivery system
TS Id	Identifies the Transport Stream
Localisation	TS physical address
Address	IP multicast address
Port	Port number

FIG. 10